

State of Missouri

Comments & Suggestions Tiered Recreational Uses & Associated Bacteria Indicator Criteria February 4, 2005



Missouri Department of Natural Resources
Water Protection and Soil Conservation Division
Water Protection Program

February 8, 2005

Tiered Recreational Uses & Associated Bacteria Indicator Criteria

February 4, 2005

Team 1:

Yes: Tiered recreational uses.

- Example: wildlife impacted recreation.
- Example: high flow exemption.

Yes: Frequency of use.

- Public versus private.
- Accessibility.
- Prudence.

Yes: Clarification of activities.

Team 2:

Tiered *E. coli* criteria

Use Description	Illnesses per 1000	E. coli criteria
Identified WBCR/popular beach	8	126
Other primary contact	14	548
Secondary contact (year-round?)	9 times primary	4932

Consider a shorter recreational season for primary contact only.

Team 3:

- Prefer two tiers: (1) WBCR and (2) SCR, similar to alternative one.
- Numeric criteria rounded; e.g., 126 to 130 and 1134 to 1140.
- Maintain recreational season with exempt off-season.
- All Class C streams are secondary contact.

Team 4:

Use Description	Illnesses per 1000	E. coli criteria
Whole Body Contact		
Class A	9	160
Class B	11	262
Class C	13	427
Secondary Contact Recreation*		
Class A		2358
Class B		3843

*SCR to apply year-round.

- *E. coli* from artificial sources of pollution (Kansas definition).
- Uses defined in Kansas (HB 2219).
- Either *E. coli* or risk-based illness rates listed in rule (allows science-based deviations from indicator based on actual risk).

Team 5:

No Tiers

- Tiers do not adequately protect citizens/children wading.
- UAAs provide adequate classification of WBC or not.

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Support Tiered Uses

- Recognizes different levels of use.
- UAAs are for designated tiers

Cost—best use of money versus risk element.

DRAFT